

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P180662

Luminaire Tested: **ICM-F01-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180662
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F01-LED-E1-SL3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.5 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

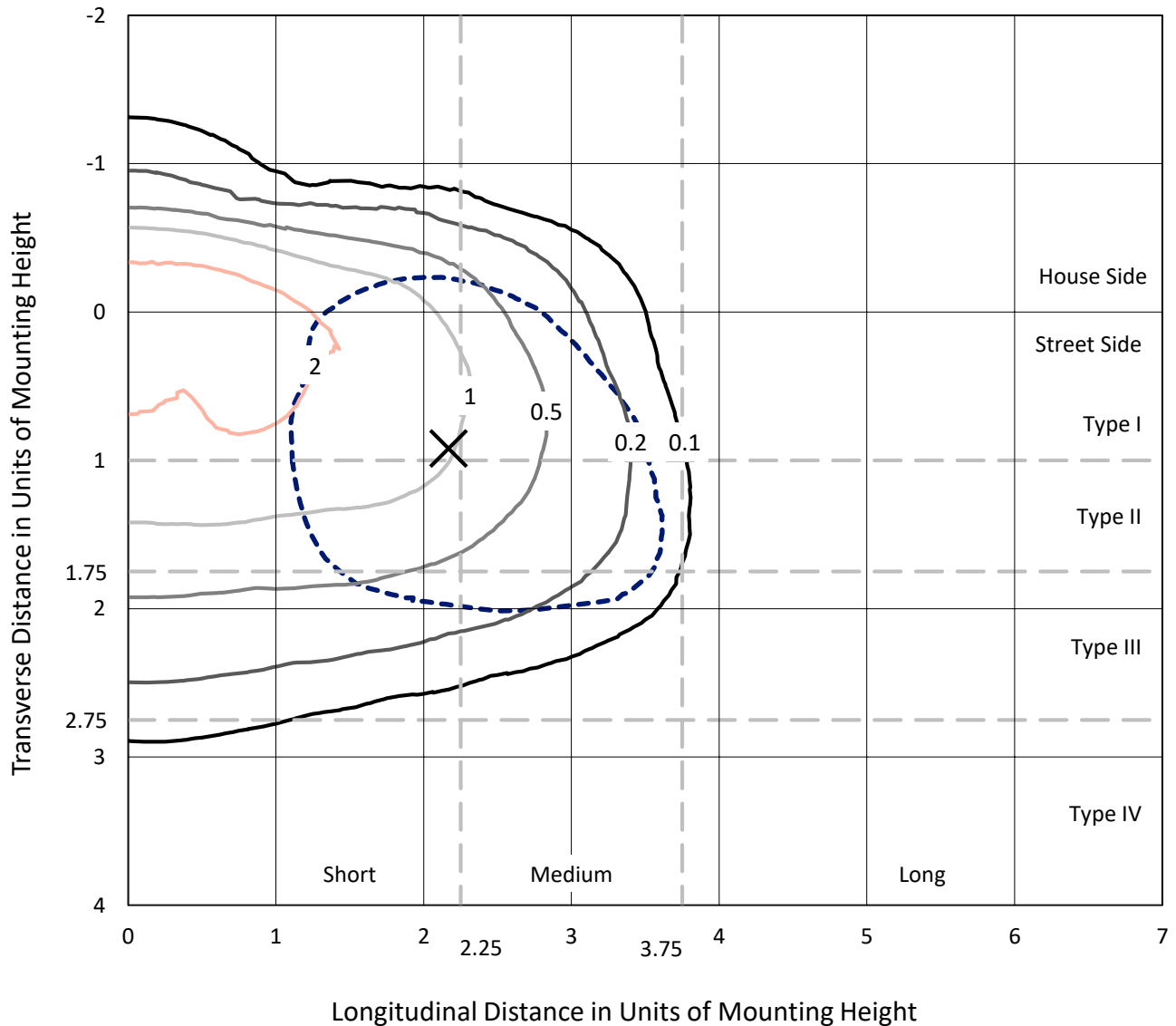


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Iso-Footcandle Lines of Horizontal Illumination

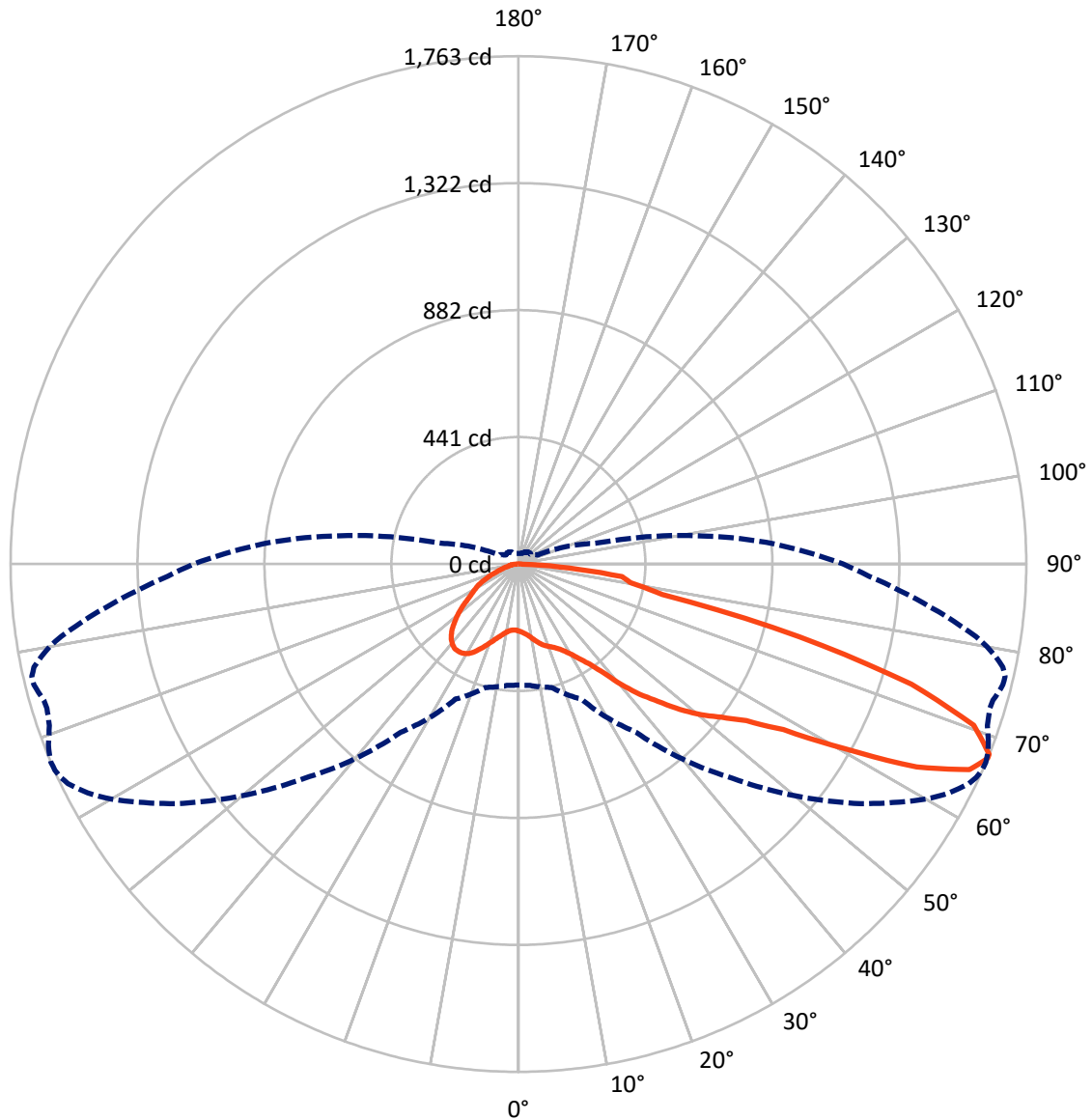
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	491.4	0.0	491.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1638.1	0.0	1638.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2129.5	0.0	2129.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	1.1
10°-20°	79.4	3.7
20°-30°	140.2	6.6
30°-40°	201.3	9.5
40°-50°	305.7	14.4
50°-60°	450.1	21.1
60°-70°	598.2	28.1
70°-80°	292.6	13.7
80°-90°	38.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2129.5	100.0
0°-180°	2129.5	100.0



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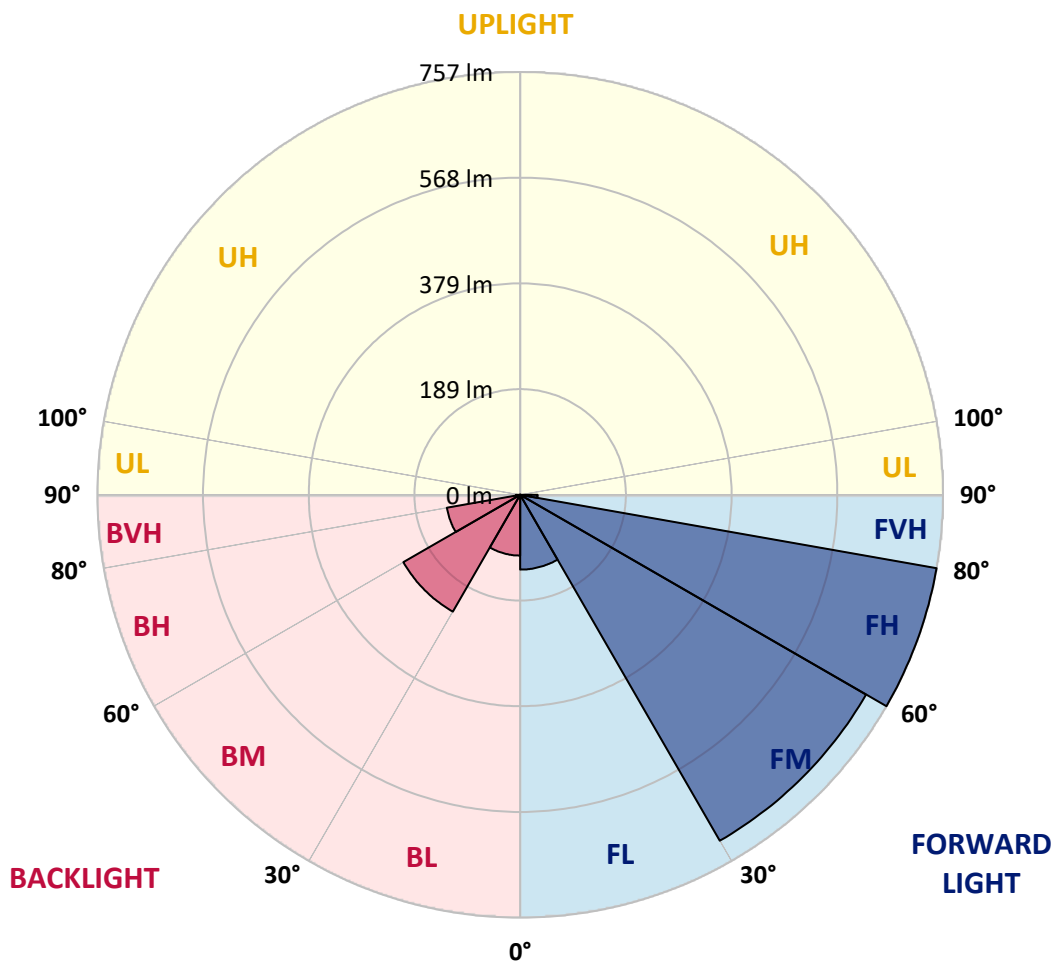
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.0	6.3			
FM	(30°-60°)	715.5	33.6			
FH	(60°-80°)	757.5	35.6			G1/1800
FVH	(80°-90°)	31.2	1.5			G1/100
BL	(0°-30°)	108.8	5.1	B0/110		
BM	(30°-60°)	241.6	11.3	B1/1000		
BH	(60°-80°)	133.3	6.3	B1/500		G1/500
BVH	(80°-90°)	7.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	243.6	243.8	243.4	243.2	241.8	240.4	239.4	238.2	238.2	238.2	237.8
5°	257.4	256.5	257.2	255.5	252.7	250.1	247.6	245.5	245.0	245.0	244.1
7.5°	274.0	272.8	272.4	270.0	265.9	262.0	256.9	254.9	253.7	253.2	252.7
10°	294.1	294.1	291.1	287.1	281.5	275.0	269.3	265.6	265.4	265.4	263.3
12.5°	314.7	315.2	311.2	307.2	298.0	289.4	282.9	278.7	278.4	277.5	276.4
15°	333.6	332.5	329.9	324.0	314.0	303.7	295.5	291.4	290.4	289.4	288.7
17.5°	349.3	348.1	344.8	337.4	326.9	314.7	304.7	300.2	299.7	299.3	298.3
20°	359.1	358.1	353.5	344.8	333.9	321.5	310.7	307.7	306.7	306.7	306.2
22.5°	364.7	363.4	356.6	345.1	334.3	325.2	316.4	314.4	313.8	314.0	314.0
25°	367.5	366.3	356.7	340.4	330.1	327.5	323.8	322.6	322.9	323.1	323.5
27.5°	368.0	366.3	355.2	334.3	324.7	332.0	334.6	336.5	336.5	337.4	339.0
30°	364.5	362.6	351.9	329.7	322.4	340.8	351.2	356.1	358.0	357.5	361.2
32.5°	358.4	357.2	348.6	329.7	328.9	358.4	376.7	383.6	384.6	385.0	389.3
35°	356.3	356.1	352.4	340.8	349.3	389.3	417.1	422.5	423.6	423.6	426.7
37.5°	355.8	357.0	361.2	362.0	385.0	435.1	471.5	479.7	479.7	482.0	482.0
40°	355.8	358.4	374.3	393.2	428.7	494.7	545.2	554.6	554.6	557.1	555.7
42.5°	369.7	373.4	399.5	435.5	484.0	556.2	614.1	624.7	625.4	624.7	626.8
45°	396.7	400.0	431.8	483.5	540.7	622.1	680.1	692.7	690.1	691.8	692.5
47.5°	432.7	437.9	474.1	535.9	596.2	683.2	754.0	765.5	764.6	765.2	762.1
50°	471.1	476.5	516.9	587.7	651.4	732.3	813.4	830.4	828.8	830.0	831.6
52.5°	505.0	508.3	547.4	626.8	693.2	778.1	859.0	880.3	884.0	884.5	885.6
55°	525.1	529.1	564.8	646.2	723.6	823.0	911.1	943.4	950.6	952.5	957.7
57.5°	532.1	536.4	568.8	649.0	740.2	865.0	983.8	1040.7	1046.7	1056.8	1073.1
60°	531.9	536.4	564.7	642.7	757.0	917.2	1096.9	1192.1	1223.0	1233.3	1256.7
62.5°	510.1	515.3	544.0	623.5	778.5	983.8	1265.3	1411.6	1451.5	1470.1	1495.4
65°	462.4	466.2	493.1	574.9	772.5	1049.5	1406.1	1588.7	1624.9	1652.3	1697.4
67°	420.1	422.5	443.5	517.4	713.1	1051.8	1450.5	1632.6	1664.2	1693.1	1739.7
67.5°	409.4	414.3	430.7	499.8	690.9	1038.5	1447.5	1625.9	1658.1	1688.3	1737.3
70°	333.1	340.2	348.4	394.9	543.1	873.7	1340.1	1508.5	1536.8	1564.8	1633.3
72.5°	205.5	218.1	219.8	249.2	353.5	603.9	1084.4	1272.1	1293.4	1313.5	1383.6
75°	121.1	123.0	128.8	152.7	207.4	361.0	727.5	945.0	964.7	974.4	1029.4
77.5°	67.5	69.4	74.3	94.9	159.4	243.2	423.6	555.3	567.2	579.5	570.7
80°	28.1	30.6	32.9	38.3	74.6	191.9	291.4	353.0	360.7	368.0	377.1
82.5°	13.6	14.5	17.8	20.4	27.2	78.8	228.5	306.0	315.2	325.7	347.0
85°	6.3	7.0	9.9	11.7	13.1	19.9	76.5	148.9	161.6	163.9	168.1
87.5°	0.5	0.5	1.2	1.7	2.3	2.6	7.9	11.3	12.7	11.4	14.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	237.6	237.3	236.8	236.8	236.6	236.6	236.6	236.1	236.1	236.1	235.9
5°	243.8	243.6	242.9	242.9	242.4	242.4	241.8	241.5	241.0	241.0	240.8
7.5°	252.0	251.8	250.9	250.9	250.1	250.0	249.5	248.7	248.7	248.3	247.8
10°	263.3	262.5	262.3	261.1	261.4	260.9	260.5	259.7	259.3	258.8	258.3
12.5°	275.9	275.9	274.7	274.0	274.5	274.0	273.1	272.8	272.1	272.1	271.4
15°	287.8	287.8	287.4	286.4	286.6	286.0	285.7	285.2	284.3	284.6	284.3
17.5°	298.0	298.0	297.4	296.9	296.9	296.2	296.5	296.0	295.5	295.3	294.6
20°	306.2	306.2	305.8	305.3	305.6	305.6	304.8	304.8	304.8	304.4	304.4
22.5°	314.2	314.4	314.4	314.4	314.7	314.9	314.7	315.2	314.9	315.4	315.4
25°	324.7	325.5	326.0	326.0	327.1	327.4	327.5	328.3	328.3	328.9	329.2
27.5°	340.4	340.8	342.8	343.3	343.4	345.3	345.6	346.5	347.4	347.6	347.9
30°	362.0	363.1	364.5	365.4	365.4	367.7	368.7	368.2	370.8	371.5	372.5
32.5°	390.7	391.6	393.0	394.0	394.9	396.1	396.3	397.5	399.5	401.4	400.3
35°	426.9	429.2	426.9	429.5	430.1	431.8	431.4	432.7	433.7	434.4	434.1
37.5°	479.5	478.3	477.9	476.9	475.4	480.9	478.1	477.9	476.5	480.5	477.9
40°	548.7	549.4	550.1	546.4	544.3	544.3	543.5	541.0	539.8	543.4	542.9
42.5°	620.9	621.7	618.4	616.1	610.7	610.0	606.7	606.1	604.8	606.7	604.8
45°	686.7	687.2	679.9	681.0	676.8	677.6	672.4	674.5	671.7	673.6	677.1
47.5°	760.1	761.0	754.7	757.3	753.0	750.5	750.2	751.6	748.7	750.5	751.4
50°	826.7	825.6	822.2	823.0	821.1	821.6	818.8	821.3	817.9	821.6	821.1
52.5°	885.9	884.5	883.7	886.1	884.5	884.5	882.8	884.0	884.5	890.1	891.3
55°	957.7	958.8	960.0	964.2	966.1	963.0	966.1	971.9	972.1	985.5	992.8
57.5°	1072.9	1081.1	1085.3	1087.8	1098.9	1097.7	1104.7	1118.7	1120.1	1151.0	1169.0
60°	1274.0	1288.5	1302.2	1294.8	1316.9	1323.7	1328.0	1354.1	1362.3	1391.5	1407.3
62.5°	1527.8	1529.5	1551.0	1544.2	1556.8	1553.8	1559.0	1570.9	1581.7	1605.7	1620.5
65°	1705.1	1712.8	1721.2	1712.6	1712.3	1702.1	1695.5	1695.3	1701.8	1707.0	1723.4
67°	1753.2	1760.9	1763.1	1756.8	1747.6	1734.5	1722.4	1716.1	1711.8	1714.2	1724.5
67.5°	1752.8	1760.0	1762.6	1756.6	1743.9	1732.9	1720.0	1712.8	1707.2	1708.4	1717.0
70°	1653.2	1668.8	1677.2	1679.2	1677.5	1658.3	1647.4	1640.8	1636.1	1624.7	1623.9
72.5°	1400.7	1419.6	1426.1	1436.7	1441.4	1413.0	1401.1	1408.4	1392.0	1355.8	1357.4
75°	1028.5	1029.9	1007.9	1003.7	988.0	924.0	904.8	887.3	859.2	815.4	774.3
77.5°	536.1	535.9	510.6	497.8	479.1	440.5	438.6	407.3	385.3	345.3	330.8
80°	380.8	387.0	395.4	399.5	393.0	378.0	357.5	335.3	309.8	284.7	254.9
82.5°	354.2	358.0	362.4	346.0	336.9	315.8	300.2	267.9	250.0	221.4	191.3
85°	172.3	183.7	174.9	164.6	161.1	126.0	121.8	101.7	92.4	76.0	70.9
87.5°	11.0	13.6	12.2	11.0	9.6	5.4	7.3	5.1	5.4	4.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	235.9	235.6	235.4	235.2	235.0	235.0	234.7	234.5	234.2	233.8	233.8
5°	240.4	240.4	240.1	239.6	239.6	239.2	238.5	238.2	238.2	237.8	237.3
7.5°	247.6	247.4	246.9	246.7	246.2	245.7	245.2	244.7	244.6	243.8	243.6
10°	258.6	258.1	256.9	256.5	256.3	255.8	255.4	254.9	254.1	253.7	253.4
12.5°	271.0	270.7	269.8	270.2	269.1	268.7	268.2	267.0	267.4	266.5	266.0
15°	283.4	283.6	283.2	283.2	282.2	281.5	281.0	280.1	279.8	279.4	278.9
17.5°	294.3	294.8	294.1	293.7	293.2	292.7	291.8	290.9	290.9	290.0	289.4
20°	304.4	304.8	304.7	304.2	303.4	303.3	302.8	302.0	302.0	301.6	300.9
22.5°	315.8	316.1	316.1	315.8	315.2	315.4	314.9	314.2	314.4	313.5	313.5
25°	329.7	330.1	330.6	330.8	330.3	330.6	330.1	329.7	329.4	329.7	329.4
27.5°	348.6	349.0	350.4	349.3	350.4	350.7	350.0	349.0	349.8	350.9	350.2
30°	373.6	373.1	375.0	375.3	375.0	375.3	374.8	374.0	374.5	376.7	375.4
32.5°	401.7	402.6	403.1	403.5	404.3	405.2	404.5	403.7	404.9	404.3	405.9
35°	435.5	437.7	438.3	437.7	438.1	439.8	439.5	439.8	442.1	439.8	442.8
37.5°	478.3	480.5	482.0	481.1	482.3	482.3	484.2	489.3	486.0	490.2	493.6
40°	540.6	543.8	544.0	543.8	545.0	546.4	548.3	553.9	550.1	554.6	557.6
42.5°	604.6	608.6	610.0	607.6	610.2	613.2	613.5	618.4	618.6	619.4	620.9
45°	676.8	680.4	683.2	682.0	682.2	686.2	685.3	690.0	686.4	686.4	687.4
47.5°	753.8	757.0	758.9	760.7	758.4	762.0	763.5	762.6	758.4	757.5	751.9
50°	823.9	826.7	829.5	834.7	834.4	836.1	837.2	833.0	832.1	827.0	820.7
52.5°	898.2	905.5	911.8	922.6	924.2	929.8	927.7	920.7	919.5	911.1	902.7
55°	1001.9	1022.6	1031.7	1048.4	1059.5	1059.4	1054.7	1053.5	1044.6	1027.8	1017.7
57.5°	1182.1	1214.6	1230.2	1251.7	1255.3	1253.1	1247.1	1236.3	1220.9	1192.6	1174.3
60°	1442.3	1462.4	1480.7	1485.8	1488.4	1484.4	1463.1	1439.3	1409.1	1370.1	1337.6
62.5°	1638.9	1659.5	1673.0	1671.0	1654.8	1634.5	1603.4	1563.5	1521.1	1477.4	1428.8
65°	1739.0	1747.6	1745.5	1729.1	1701.6	1666.1	1620.7	1571.4	1521.6	1469.9	1419.4
67°	1733.6	1733.9	1719.5	1687.8	1652.5	1607.8	1552.4	1498.6	1440.2	1386.0	1325.9
67.5°	1724.0	1723.1	1703.2	1668.4	1630.2	1584.2	1526.7	1471.1	1410.5	1355.8	1293.6
70°	1615.5	1602.4	1557.6	1502.0	1448.8	1386.6	1326.3	1262.5	1194.2	1147.3	1075.7
72.5°	1327.5	1283.4	1206.0	1147.7	1090.9	1009.5	971.9	892.7	844.7	814.8	760.7
75°	768.7	731.8	671.9	617.5	589.9	541.7	518.8	460.6	448.5	448.0	429.2
77.5°	293.4	256.0	217.4	175.1	148.9	118.3	104.3	93.3	84.8	90.7	82.3
80°	220.0	180.9	141.5	102.9	73.4	54.2	46.5	43.0	40.9	39.3	38.1
82.5°	163.9	129.3	100.3	65.5	45.9	34.6	30.0	28.1	27.2	25.5	24.1
85°	55.4	44.5	35.1	24.3	19.2	15.6	14.5	14.0	13.3	12.2	11.4
87.5°	3.1	2.8	3.1	2.3	2.8	2.3	2.6	2.6	2.6	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	233.6	233.6	233.6	233.1	232.4	231.0	229.6	228.5	227.3	226.5	226.0
5°	237.0	236.6	236.4	236.1	234.5	231.7	229.1	226.8	224.5	222.6	221.9
7.5°	243.4	242.4	242.2	241.5	239.4	235.2	231.4	227.7	224.5	221.9	220.7
10°	252.9	252.9	251.5	250.6	248.3	242.7	237.3	232.4	227.9	225.1	224.5
12.5°	265.1	265.1	264.0	263.3	260.5	253.2	246.7	240.8	236.6	233.8	233.6
15°	277.8	277.5	276.6	275.6	272.7	264.9	258.3	253.2	249.7	246.4	245.5
17.5°	288.9	288.9	287.8	286.9	283.8	277.3	271.4	267.7	263.7	256.9	251.8
20°	300.2	300.5	299.5	298.5	296.0	290.4	287.8	284.1	275.2	260.5	248.3
22.5°	312.6	313.5	312.4	311.4	309.3	307.0	306.0	297.1	278.4	254.9	237.0
25°	328.5	330.1	328.7	328.3	327.1	327.8	325.0	304.4	273.8	242.7	220.5
27.5°	350.2	350.2	350.4	350.4	350.0	352.6	342.2	304.7	263.5	227.0	200.6
30°	375.7	377.1	376.7	376.7	378.5	380.2	351.9	299.5	250.4	207.6	176.3
32.5°	406.3	407.5	408.0	405.9	413.4	404.9	355.4	290.1	234.2	183.5	147.3
35°	443.3	444.9	446.0	446.3	451.3	426.4	353.5	276.4	211.2	153.4	115.5
37.5°	491.4	494.7	497.3	498.4	498.7	444.7	348.4	258.1	180.9	119.7	86.0
40°	555.5	559.0	558.3	560.7	547.4	455.4	336.7	231.7	143.5	87.9	66.4
42.5°	617.2	617.7	618.6	616.6	589.4	461.0	320.3	199.4	107.5	65.7	56.8
45°	686.2	682.2	677.8	674.5	628.2	463.2	297.9	160.2	76.0	55.2	52.6
47.5°	751.0	745.6	736.5	727.1	662.8	459.9	269.1	119.9	57.8	50.5	49.8
50°	814.5	804.5	791.6	780.8	696.0	455.0	237.3	86.5	50.5	48.2	47.4
52.5°	893.3	876.5	859.6	845.7	739.3	447.3	203.9	65.7	47.4	46.3	45.4
55°	1001.4	978.0	950.9	931.3	798.0	435.5	168.8	55.6	46.0	45.1	43.7
57.5°	1151.0	1115.9	1085.3	1053.2	878.1	423.6	138.6	51.6	45.9	44.5	42.5
60°	1303.9	1261.8	1222.8	1176.9	960.0	411.7	117.6	51.2	46.5	44.5	41.6
62.5°	1383.4	1339.9	1292.9	1246.3	995.3	383.6	103.1	51.9	48.2	45.1	41.6
65°	1365.1	1312.1	1264.4	1216.9	954.3	330.6	87.2	52.8	51.4	47.9	42.3
67°	1273.5	1218.1	1172.3	1126.9	863.2	276.8	74.8	53.8	55.0	51.2	43.7
67.5°	1241.2	1185.9	1140.7	1096.5	836.3	265.6	71.8	54.2	55.6	52.1	44.2
70°	1029.2	988.5	940.6	906.4	677.1	196.7	58.9	55.2	59.8	57.5	46.3
72.5°	740.7	701.9	665.9	646.9	498.7	137.5	49.6	54.2	62.4	60.6	47.3
75°	393.7	391.4	378.3	387.6	308.7	89.8	43.7	50.7	59.6	55.4	44.0
77.5°	79.5	81.9	96.1	94.7	99.6	50.0	37.4	43.4	46.0	40.7	35.8
80°	36.9	36.3	35.5	36.0	35.3	32.0	30.4	34.1	32.0	26.1	23.8
82.5°	22.9	22.4	21.8	21.5	23.8	25.5	26.7	26.9	21.3	18.2	17.5
85°	11.0	11.0	10.8	11.3	14.0	20.8	22.4	19.9	14.2	13.1	12.4
87.5°	2.1	2.1	2.3	2.1	2.8	4.9	5.6	6.5	5.4	5.6	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	232.7	232.7	232.7
2.5°	225.6	225.1	225.1
5°	220.9	220.7	220.7
7.5°	219.8	220.0	219.8
10°	224.2	224.0	224.9
12.5°	234.0	234.7	234.5
15°	244.3	244.7	244.7
17.5°	247.4	245.7	245.5
20°	239.4	236.4	235.6
22.5°	224.5	218.8	219.1
25°	205.5	198.7	199.2
27.5°	183.5	176.3	176.1
30°	157.1	149.1	145.2
32.5°	125.3	115.7	115.7
35°	94.2	86.5	83.7
37.5°	71.5	67.1	65.7
40°	59.6	57.5	57.0
42.5°	54.2	53.6	53.3
45°	51.4	51.0	50.7
47.5°	48.8	48.7	48.4
50°	47.0	46.8	46.5
52.5°	45.4	44.9	44.7
55°	43.0	43.0	43.0
57.5°	41.6	41.6	41.4
60°	40.2	40.0	40.0
62.5°	39.1	38.6	38.8
65°	38.3	37.7	37.7
67°	37.9	36.5	36.5
67.5°	37.9	36.0	36.0
70°	37.2	34.1	33.7
72.5°	36.5	32.0	31.3
75°	34.6	30.4	29.7
77.5°	29.7	27.2	26.7
80°	22.9	19.9	20.4
82.5°	16.6	14.2	14.0
85°	11.9	10.3	10.3
87.5°	6.3	5.4	5.6
90°	0.0	0.0	0.0

(END OF REPORT)